Attorney Docket No.: Q97192

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A fluorine-containing compound of the formula:

$$CH_2 = C(-X) \cdot C(=0) \cdot Y \cdot [-(CH_2)_m \cdot Z \cdot]_p \cdot (CH_2)_n \cdot Rf$$
 (I)

$$\underline{CH_2} = \underline{C(-X)} - \underline{C(=O)} - \underline{Y} - \underline{(CH_2)}_m - \underline{Z} - \underline{(CH_2)}_n - \underline{Rf}$$
 (I)

wherein X is a fluorine atom, a chlorine atom, a bromine atom, a iodine atom, a $CFX^1 X^2$ group (wherein X^1 and X^2 is a hydrogen atom, a fluorine atom or a chlorine atom), a cyano group, a linear or branched fluoroalkyl group having 1 to 20 carbon atoms, a substituted or unsubstituted benzyl group, or a substituted or unsubstituted phenyl group;

Rf is a fluoroalkyl group having 1 to 21 carbon atoms;

m is from 1 to 10, and n is from 0 to 10, and p is 0 or 1.

- 2. (original): The fluorine-containing compound according to claim 1, wherein the carbon number of the fluoroalkyl group (Rf group) is from 1 to 6.
- 3. (original): The fluorine-containing compound according to claim 1, wherein the carbon number of the fluoroalkyl group (Rf group) is from 1 to 4.
- 4. (original): The fluorine-containing compound according to claim 1, wherein the fluoroalkyl group (Rf group) is a perfluoroalkyl group.
- 5. (withdrawn): A fluorine-containing polymer comprising (A) repeating units derived from the fluorine-containing compound (a) according to claim 1.

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6. (withdrawn): The fluorine-containing polymer according to claim 5, further having:

- (B) repeating units derived from (b) a monomer free from a fluorine atom, and
- (C) optionally, repeating units derived from (c) a crosslinkable monomer, in addition to the repeating units (A).
- 7. (withdrawn): The fluorine-containing polymer according to claim 5, wherein the fluorine atom-free monomer (b) forming the repeating units (B) is acrylates of the general formula:

CH₂=CA¹COOA²

wherein A¹ is a hydrogen atom or a methyl group, and

 A^2 is a hydrocarbon group having 1 to 30 carbon atoms (particularly an alkyl group represented by C_nH_{2n+1} (n = 1 to 30)).

- 8. (withdrawn): The fluorine-containing polymer according to claim 6, wherein the crosslinkable monomer (c) forming the repeating units (C) is a fluorine-free monomer having at least two reactive groups and/or carbon-carbon double bonds.
- 9. (withdrawn): The fluorine-containing polymer according to claim 6, wherein the amount of the fluorine atom-free monomer (b) is 0.1 to 50 parts by weight, and

the amount of the crosslinkable monomer (c) is at most 20 parts by weight,

- based on 100 parts by weight of the fluorine-containing compound (a).
- 10. (withdrawn): A surface treatment agent comprising the fluorine-containing polymer according to claim 5 and water and/or an organic solvent.
- 11. (withdrawn): The surface treatment agent according to claim 10, which is in the form of a solution, an emulsion or an aerosol.

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12. (withdrawn): A method of treating a substrate with the surface treatment agent according to claim 10.

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- 13. (withdrawn): The method according to claim 12, wherein the substrate is a textile, a masonry, a filter (for example, an electrostatic filter), a dust protective mask, a fuel cell, glass, paper, wood, leather, fur, asbestos, brick, cement, metal and oxide, ceramics, plastics, a coated surface or a plaster.
- 14. (withdrawn): A textile treated with the surface treatment agent according to claim 10.
- 15. (withdrawn): A carpet treated with the surface treatment agent according to claim 10.
- 16. (withdrawn): A method of producing a fluorine-containing compound of the formula:

$$CH_2=C(-X)-C(=O)-NH-(CH_2)_n-Rf$$

wherein X is a fluorine atom, a chlorine atom, a bromine atom, a iodine atom, a $CFX^1 X^2$ group (wherein X^1 and X^2 is a hydrogen atom, a fluorine atom or a chlorine atom), a cyano group, a linear or branched fluoroalkyl group having 1 to 20 carbon atoms, a substituted or unsubstituted benzyl group, or a substituted or unsubstituted phenyl group;

Rf is a fluoroalkyl group having 1 to 21 carbon atoms; and n is from 0 to 10,

said method comprising, in the presence of a base, reacting an amine compound of the formula:

 H_2N - $(CH_2)_n$ -Rf

wherein Rf is the same as defined above and n is from 0 to 10,

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with an acid chloride compound of the formula:

 $A-CH_2-CH(-X)-C(=O)-C1$

wherein A is a halogen atom (particularly a chlorine atom, a bromine atom or a iodine atom); and

X is a fluorine atom, a chlorine atom, a bromine atom, a iodine atom, a $CFX^1 X^2$ group (wherein X^1 and X^2 is a hydrogen atom, a fluorine atom or a chlorine atom), a cyano group, a linear or branched fluoroalkyl group having 1 to 20 carbon atoms, a substituted or unsubstituted benzyl group, or a substituted or unsubstituted phenyl group.